

Recovery Plan Action Status

Plan Name: Florida Manatee Recovery Plan, Third Revision

Plan Status: Final Revision 3

Plan Date: 30-Oct-01

Lead Agency: USFWS

Lead Office: North Florida Ecological Services Field Office

(904)

232-2580)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.1	Promulgate special regulations for incidental take under the MMPA for specific activities.	Ongoing Not Current	FY 2000 - FY 2004	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers	Management: Monitor and Estimate Bycatch, Management: Planning, Management: Population Monitoring, Management: Reduce Bycatch, Management: Reduce Threats in/to Marine Habitats, Other: Administration, Research: Demographic Studies, Research: Management Techniques, Research: Population Assessment	Internal Administrative, Internal Technical Assistance, Species Expert	In its 05/08/2003 FRN, the USFWS stated that the agency was unable to conclude that the take of a small number of Florida manatees would have a negligible impact on this sub species. As a result, the agency elected to withdraw this proposal. The Service and its partners continue to refine information on the status of the Florida manatee and may promulgate regulations in the future if warranted and supported by new information.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.10	Rescue and rehabilitate distressed manatees and release back into the wild.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.10.1	Maintain rescue network.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.10.2	Maintain rehabilitation capabilities.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.10.3	Release captive manatees.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	1.10.4	Coordinate program activities.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	1.10.5	Provide assistance to international Sirenian rehabilitators.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	1.10.6	Provide rescue report.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.11	Implement strategies to eliminate or minimize harassment due to other human activities.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, FDEP/Office of Coastal and Aquatic Managed Areas, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.11.1	Enforce regulations prohibiting harassment.	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.11.2	Improve the definition of harassment within the regulations promulgated under the ESA and MMPA.	Not Started			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.2	Continue state and federal review of permitted activities to minimize impacts to manatees and their habitat.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Marine Industries, Save the Manatee Club, United States Coast Guard, Water Management Districts	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.2.1	Continue to review coastal construction permits to minimize impacts.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.2.2	Minimize the effect of organized marine events on manatees.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Marine Industries, Save the Manatee Club, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.2.3	Continue to review NPDES permits to minimize impacts.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Power Industries, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.2.4	Pursue regulatory changes, if necessary, to address activities that are exempt, generally authorized, or not covered by state or federal regulations.	Discontinued	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Marine Industries, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	1.3	Minimize collisions between manatees and watercraft.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Florida Inland Navigation District, Marine Industries, Save the Manatee Club, United States Coast Guard, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.3.1	Develop and refine state waterway speed and access rules.	Not Started	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.3.2	Develop and refine federal waterway speed and access rules.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	1.3.3	Post and maintain regulatory signs.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Florida Inland Navigation District, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.4	Enforce manatee protection regulations.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, United States Coast Guard , Local Law Enforcement Agencies	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.4.1	Coordinate law enforcement efforts.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Florida Fish and Wildlife Conservation Commission, United States Coast Guard , Local Law Enforcement Agencies	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.4.2	Provide law enforcement officer training.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Florida Fish and Wildlife Conservation Commission, United States Coast Guard	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.4.3	Ensure judicial coordination.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.4.4	Evaluate compliance with manatee protection regulations.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.4.5	Educate boaters about manatees and boater responsibility.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries, Mote Marine Laboratory, Save the Manatee Club, United States Coast Guard , The Ocean Conservancy, Local Law Enforcement Agencies	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.4.6	Evaluate effectiveness of enforcement initiatives.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.4.7	Provide updates of enforcement activities to managers.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, United States Coast Guard , Local Law Enforcement Agencies	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	1.5	Assess and minimize mortality caused by large vessels.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Fish and Wildlife Conservation Commission, Port Authorities, United States Coast Guard , United States Navy	Work type not yet selected	Labor type not yet selected	Duration is 1 year to assess and then continuous to reduce.
West Indian manatee (Trichechus manatus)	2	1.5.1	Determine means to minimize large vessel-related manatee deaths.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.52	Provide guidance to minimize large vessel-related manatee deaths.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.6	Eliminate manatee deaths in water control structures, navigational locks, and drainage structures.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Department of Environmental Resources Management, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.6.1	Install and maintain protection technology at water control structures where manatees are at risk and monitor success.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	1.6.2	Install and maintain protection technology at navigational locks where manatees are at risk and monitor success.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.6.3	Minimize injuries and deaths attributable to entrapment in drainage structures.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	1.6.4	Assess risk at existing and future water control structures and canals in South Florida.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.7	Minimize manatee injuries and deaths caused by fisheries and entanglement.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Commercial Fishing Industry, Recreational Fishing Industry, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	1.7.1	Minimize injuries and deaths attributed to crab pot fishery.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Commercial Fishing Industry, Recreational Fishing Industry	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	1.7.2	Minimize injuries and deaths attributed to commercial and recreational fisheries, gear, and marine debris.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Commercial Fishing Industry, Recreational Fishing Industry, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	1.8	Investigate and prosecute all incidents of malicious vandalism and poaching.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club, United States Coast Guard	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	1.9	Update and implement catastrophic plan.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.1	Continue the MPSWG.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.2	Conduct status review.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.3	Determine life history parameters, population structure, distribution patterns, and population trends.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.1	Continue and increase efforts to collect and analyze mark/recapture data to determine survivorship, population structure, reproduction, and distribution patterns.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.2	Continue collection and analysis of genetic samples to determine population structure and pedigree.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.3	Continue carcass salvage data analysis to determine reproductive status and population structure.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.4	Continue and improve aerial surveys and analyze data to evaluate fecundity data and to determine distribution patterns, population trends, and population size.	Obsolete	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.3.5	Continue collection and analysis of telemetry data to determine movements, distribution, habitat use patterns, and population structure.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.6	Continue to develop, evaluate, and improve population modeling efforts and parameter estimates and variances to determine population trend and link to habitat models and carrying capacity.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.3.7	Conduct a PVA to help assess population parameters as related to the ESA and MMPA	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.4	Evaluate and monitor causes of mortality and injury.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Chicago Zoological Society, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.4.1	Maintain and improve carcass detection, retrieval, and analysis.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.4.2	Improve evaluation and understanding of injuries and deaths caused by watercraft.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Marine Industries, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.4.3	Improve the evaluation and understanding of injuries and deaths caused by other anthropogenic causes.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Marine Industries, U.S. Geologic Survey - Sirenia Project, Water Management Districts, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.4.4	Improve the evaluation and understanding of naturally-caused mortality and unusual mortality events.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5	Define factors that affect health, well-being, physiology, and ecology.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.1	Develop a better understanding of manatee anatomy, physiology, and health factors.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5.2	Develop a better understanding of thermoregulation.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.3	Develop a better understanding of sensory systems.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5.4	Develop a better understanding of orientation and navigation.	Ongoing Current	FY 2000 - FY 2004		Academic institutions, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.5	Develop a better understanding of foraging behaviors during winter.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5.6	Develop baseline behavior information.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.7	Develop a better understanding of disturbance.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Chicago Zoological Society, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5.7.1	Continue to investigate how a vessel's sound affects manatees.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Marine Industries, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.7.2	Investigate, determine, monitor, and evaluate how vessel presence, activity, and traffic patterns affect manatee behavior and distribution.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Academic institutions, Florida Fish and Wildlife Conservation Commission, Chicago Zoological Society, Marine Industries, Mote Marine Laboratory, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	2.5.7.3	Assess boating activity and boater compliance.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.7.4	Evaluate the impacts of human swimmers and effectiveness of sanctuaries.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.7.5	Evaluate the impacts of viewing by the public.	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2.5.7.6	Evaluate the impacts of provisioning.	Not Started	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.1	Convene a Habitat Working Group.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Marine Industries, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	October 2002, HWG will make recommendations to refine and improve habitat criteria

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	3.2	Protect, identify, evaluate, and monitor existing natural and industrial warm-water refuges and investigate alternatives.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, Power Industries, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club, Florida Power and Light Company	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.2.1	Continue the Warm- Water Task Force.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Power Industries, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club, Florida Power and Light Company	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.2	Develop and implement an industrial warm-water strategy.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Power Industries, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.2.1	Obtain information necessary to manage industrial warm-water refuges.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Power Industries, Florida Power and Light Company	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	3.2.2.2	Define manatee response to changes in industrial operations that affect warm-water discharges.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project, Florida Power and Light Company	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.3	Protect, enhance, and investigate other non-industrial warm-water refuges.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.4	Protect and enhance natural warm-water refuges.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.2.4.1	Develop and maintain a database of warm-water refuge sites.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.4.2	Develop comprehensive plans for the enhancement of natural warm-water sites.	Not Started	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.2.4.3	Establish and maintain minimum spring flows and levels at natural springs.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	3	3.2.5	Assess changes in historical distribution due to habitat alteration.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.3	Establish, acquire, manage, and monitor regional protected area networks and manatee habitat.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.3.1	Establish manatee sanctuaries, refuges, and protected areas.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.10	Define the response to environmental change.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.10.1	Define response to changes in fresh water flow patterns in south Florida as a consequence of the Everglades restoration.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.10.2	Define response to degradation and rehabilitation of feeding areas.	Not Started	FY 2000 - FY 2004		Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	3.3.11	Maintain, improve, and develop tools to monitor and evaluate manatee habitat.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.11.1	Maintain, improve, and develop tools to monitor and evaluate natural and human-related habitat influences on manatee ecology, abundance, and distributions.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.3.11.2	Maintain, improve, and develop tools to evaluate the relationship between boating activities and watercraft-related mortality.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Marine Industries, Mote Marine Laboratory	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	3.3.11.3	Evaluate impact of changes in boat design and boater behavior.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Marine Industries, Mote Marine Laboratory	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.11.4	Conduct a comprehensive risk assessment.	Planned	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	3.3.2	Identify and prioritize new land acquisition projects.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	3.3.3	Acquire land adjacent to important manatee habitats.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Local Governments, Florida Department of Environmental Protection, Land Trusts, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.4	Establish and evaluate manatee management programs at protected areas.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	3.3.5	Support and pursue other habitat conservation options.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.3.6	Assist local governments in development of county MPPs.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries, Recreational Fishing Industry, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	3.3.7	Implement approved MPPs.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.8	Protect existing SAV and promote reestablishment of NSAV.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Water Management Districts	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	3.3.8.1	Develop and implement a NSAV protection strategy.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.8.2	Develop and implement a state-wide seagrass monitoring program.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, National Marine Fisheries Service Southwest Region, Local Governments, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.8.3	Ensure aquatic plant control programs are properly designed and implemented.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.9	Conduct research to understand and define manatee ecology.	Ongoing Current	Prior to FY 1995		Academic institutions, Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory, U.S. Geologic Survey - Sirenia Project, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.9.1	Conduct research and improve databases on manatee habitat.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	3.3.9.2	Continue and improve telemetry and other instrumentation research and methods.	Ongoing Current	Prior to FY 1995		Florida Fish and Wildlife Conservation Commission, U.S. Geologic Survey - Sirenia Project	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.3.9.3	Determine manatee time and depth pattern budgets.	Ongoing Current	FY 2000 - FY 2004		Florida Fish and Wildlife Conservation Commission, Mote Marine Laboratory	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	3.4	Ensure that minimum flows and levels are established for surface waters to protect resources of importance to manatees.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Save the Manatee Club, Water Management Districts	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	3.5	Assess the need to revise critical habitat.	Not Started	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	4.1	Identify target audiences and key locations for outreach.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	4.2	Develop, evaluate, and update public education and outreach programs and materials.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Save the Manatee Club, Florida Power and Light Company, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	4.2.1	Develop consistent and up-to-date manatee boater education courses/programs.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Marine Industries, Save the Manatee Club, United States Coast Guard , The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	4.2.2	Publish and post manatee protection zone information.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Local Governments, Florida Fish and Wildlife Conservation Commission, Marine Industries	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	1	4.2.3	Update nautical charts and Coast Pilot to reflect current manatee protection zone information.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	4.3	Coordinate development of manatee awareness programs and materials in order to support recovery.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Army Corps of Engineers, Local Governments, Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Georgia Department of Natural Resources, Save the Manatee Club, Water Management Districts, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	2	4.4	Develop consistent manatee viewing and approach guidelines.	Not Started	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, FDEP/Office of Coastal and Aquatic Managed Areas, Ind Ecotourism Industry, Save the Manatee Club	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	4.5	Develop and implement a coordinated media outreach program.	Not Started	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Local Governments, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	3	4.6	Utilize the rescue, rehabilitation, and release program to educate the public.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Cincinnati Zoo, Columbus Zoo, Homosassa Springs State Wildlife Park, Living Seas, Lowry Park Zoo, Miami Seaquarium, Mote Marine Laboratory, Sea World Florida and California, South Florida Museum	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	3	4.7	Educate state and federal legislators about manatees and manatee issues.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, Marine Industries, Power Industries, Save the Manatee Club, The Ocean Conservancy	Work type not yet selected	Labor type not yet selected	